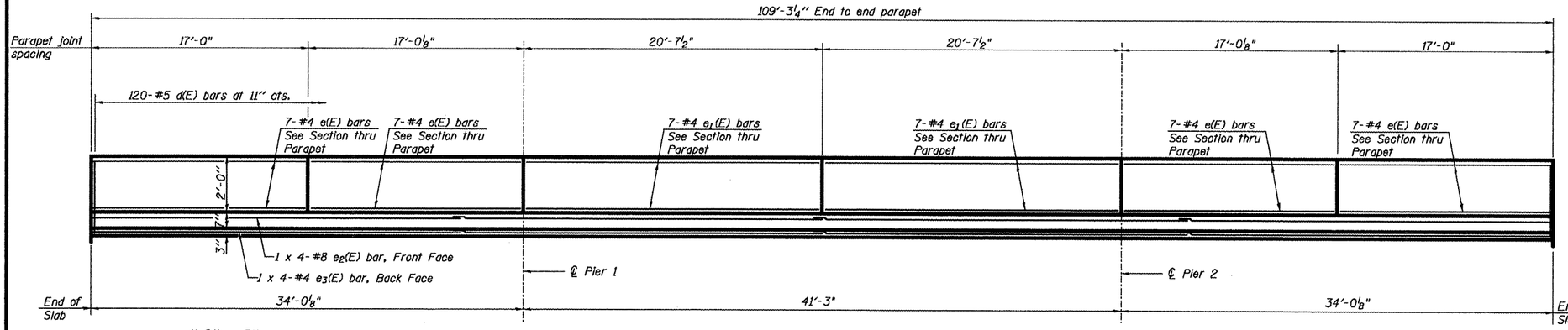
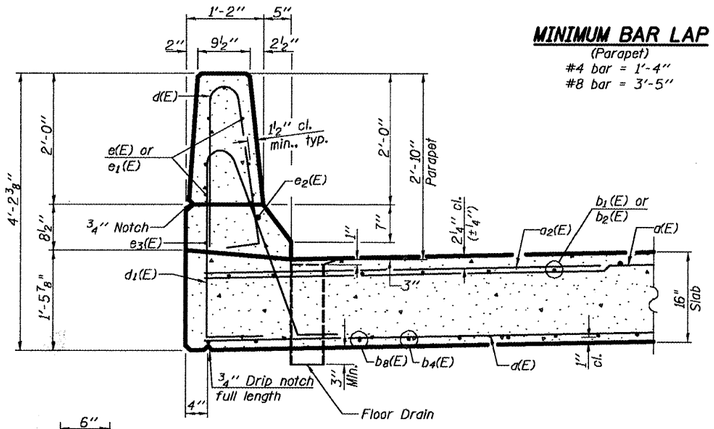
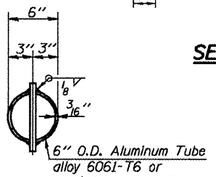
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

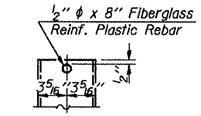




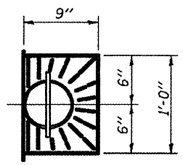
SECTION THRU PARAPET



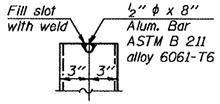
TOP PLAN
(Showing Aluminum Tube)



FIBERGLASS PIPE



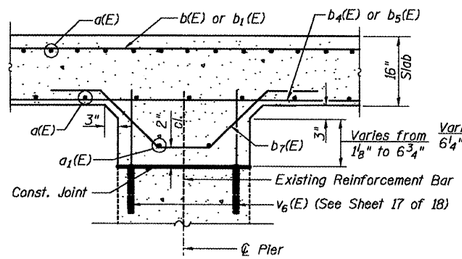
TOP PLAN



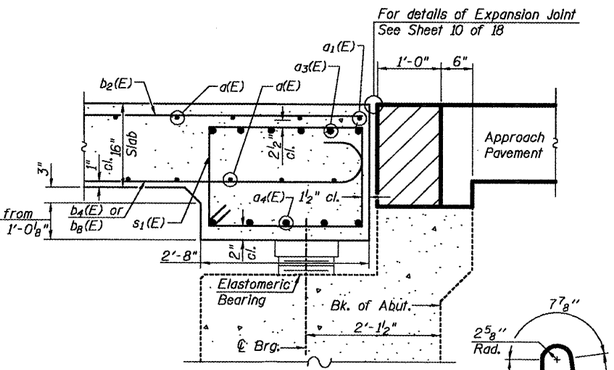
ALUMINUM TUBE

MINIMUM BAR LAP
(Parapet)
#4 bar = 1'-4"
#8 bar = 3'-5"

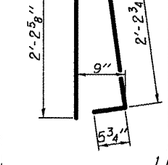
INSIDE ELEVATION OF PARAPET
(North Parapet Shown)

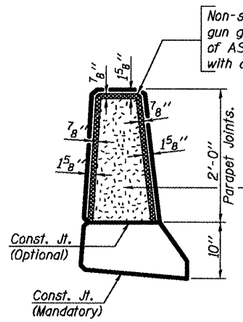


SECTION B-B



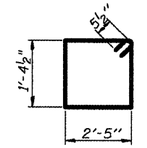
SECTION A-A
(Horizontal Dimensions at Rt. L's)



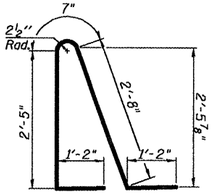


½" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.

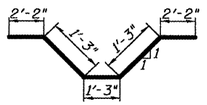
PARAPET JOINT DETAILS



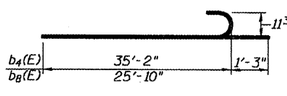
BAR s1(E)



BAR d1(E)



BAR b7(E)



BARS b4(E) and b8(E)

BAR d(E)

SUPERSTRUCTURE BILL OF MATERIAL
(Both Superstructures)

Bar	No.	Size	Length	Shape
d(E)	386	#5	43'-5"	
a1(E)	12	#5	43'-9"	
a2(E)	288	#6	6'-0"	
a3(E)	24	#9	43'-9"	
a4(E)	20	#8	43'-9"	
b(E)	212	#9	12'-6"	
b1(E)	208	#9	32'-0"	
b2(E)	208	#9	22'-9"	
b3(E)	104	#9	19'-1"	
b4(E)	160	#9	36'-5"	
b5(E)	80	#9	43'-7"	
b6(E)	82	#9	25'-3"	
b7(E)	164	#5	8'-1"	
b8(E)	164	#9	27'-1"	
s1(E)	176	#5	8'-6"	
d(E)	480	#5	5'-7"	
d1(E)	480	#5	8'-0"	
e(E)	112	#4	16'-9"	
e1(E)	56	#4	20'-5"	
e2(E)	16	#8	29'-10"	
e3(E)	16	#4	28'-3"	
Reinforcement Bars, Epoxy Coated			Pound	148150
Concrete Superstructure			Cu. Yd.	566.3

Bars indicated thus 1 x 4 -#8 etc. indicates 1 line of bars with 4 lengths per line.

Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.

SUPERSTRUCTURE DETAILS
I-74 OVER TOWNSHIP ROAD 205
F.A.I. RTE. 74 - SEC. 48-(27HB-5)I,I-1
KNOX COUNTY
STATION 570+11.72
STRUCTURE NO. 048-0011 (WB), 0012 (EB)

Notes:
The exterior surfaces of the floor drains shall be coated or pigmented by the manufacturer with a color that matches the concrete.
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

Designed By: ESH | Checked By: MTH | Drawn By: ESH
Date: 10/2008 | File: 048-0011_DOE.dgn

SHEET NO. 9
18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	48-(27HB-5)I,I-1	KNOX	104	48
		CONTRACT NO. 68062		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

D-94-048-00